



Casacide™ T400


(2-(Thiocyanomethylthio)benzothiazole (TCMTB))



Maximum
Strength,
Minimum Waste



Ideal for own
formulation



UK Manufacture,
integrated global
supply network

Product Description

Casacide™ T400 is a high-performance, oil-soluble biocide and fungicide based on TCMTB. It offers broad-spectrum antimicrobial activity and is widely used in industrial applications where effective fungal and bacterial control is critical. Its formulation enables stable emulsions with water and high efficacy even under challenging pH conditions.

Applications

- **Leather Preservation:** prevents microbial growth during wet blue storage, leather tanning, and finishing, particularly under acidic and moist conditions.
- **Wood Treatment:** effective for controlling fungi and molds in freshly cut wood and long-term protection
- **Paper & Board Production:** controls bacterial slime, algae, and fungal growth in wet-end and white-water systems under alkaline or neutral pH.

Features and Benefits

- High TCMTB concentration (80%) allows low dosage with high efficacy and cost-effective biocidal performance per unit
- Dual stability in acidic and alkaline media for flexible use in varying pH environments and ideal for applications like pulp & paper
- Emulsifiable concentrate can easily form stable emulsions with surfactants and allows easy dosing and mixing with aqueous systems
- Broad-Spectrum activity - active against gram-positive/negative bacteria, fungi, moulds, yeasts.
- Long shelf life & storage stability decomposition only above 60°C. Low volatility and faint odour make it easier to handle
- Energy independent as a result of our on-site anaerobic digestion facility
- Trusted partner- celebrating 100 years of chemical manufacturing in 2026
- Global network of sales offices, direct logistics and US and UK formulating production centres ensuring security of supply and short lead times from stock.

Mode of Action

Casacide™ T400 works by disrupting essential metabolic pathways in microbial cells, including inhibition of key enzymes and protein synthesis. Its lipophilic structure enhances cell membrane penetration, while its thiocyanate moiety interferes with oxidative phosphorylation, leading to cell death.



Committed to Responsible Care



Thomas Swan
Industrial Specialities

Casacide™ T400

Physical and Chemical Properties

Chemical Name, synonyms	2-(Thiocyanomethylthio)benzothiazole (TCMTB)
CAS Number	21564-17-0
Physical Form	Liquid
Appearance	Dark red to brown liquid
Specific Gravity @ 20°C	~1.40
Flash Point (PMCC)	189 °C
Solubility	Dispersible in water

Packaging

200 litre capacity tight-head, lacquer lined, non-returnable steel drums. 25 L or IBCs available upon request

Shelf Life

Store under cool, dry conditions. It is recommended that the material be used within 12 months of certification.

Handling

Avoid exposure to heat >60°C. Use PPE to prevent skin and eye contact

Refer to SDS for full handling and storage precautions

Guidelines for Use

Dosage: 0.05–1.0% depending on application and required protection level

Temperature: Best results below 60°C; avoid thermal degradation

Compatibility: Can be combined with other non-oxidizing biocides

Inventory Status

Australia (AICS)	Canada (DSL/NDSL)	China (IECSC)	India	Israel	Japan (ENCS)	Korea (MEO/ECL/AREC)	Malaysia (EHSNR)	Mexico (INSQ)
✓	✓	✓	✓	✗	✓	✓	✓	✓

New Zealand	Philippines (PICCS)	Taiwan (TCSI)	Thailand (TDCA)	Vietnam (VNECI)	UK (REACH)	EU (REACH)	US (TSCA/FDA)	KKDIK Turkiye
✓	✓	✓	✓	✓	BPR	BPR	Active	BPR

Ukraine REACH
BPR

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